

Math 1
List of Unit Standards
Fall Semester

The following is a list of all of the unit standards from fall semester:

- **1A: expressions** Students define quantities and interpret expressions.
- **1B: units** Students understand and use units as a way of interpreting expressions.
- **1C: equations** Students solve equations and describe the process used to solve them.
- **1D: inequalities** Students solve inequalities and describe the process used to solve them.
- **1E: solutions** Students represent solutions of equations and inequalities.
- **1F: systems (graphing)** Students solve systems of linear equations by graphing.
- **1G: matrices** Students use matrices to organize information and obtain information from matrices.
- **1H: matrix arithmetic** Students understand and perform basic matrix arithmetic, including addition, subtraction, scalar multiplication, and matrix multiplication.
- **2A: graph inequalities** Students graph linear inequalities in two variables.
- **2B: identify inequalities** Students determine linear inequalities in two variables from their graphs.
- **2C: basic exponential equations** Students solve basic exponential equations and demonstrate understanding of exponents.
- **2D: systems (algebra)** Students solve systems of linear equations by substitution or elimination.
- **2E: systems (matrices)** Students solve systems of linear equations using matrices.
- **3A: arithmetic sequences** Students determine recursive and explicit forms of arithmetic sequences and translate between the forms.
- **3B: geometric sequences** Students determine recursive and explicit forms of geometric sequences and translate between the forms.
- **3C: model linear** Students model situations involving linear growth.
- **3D: model exponentials** Students model situations involving exponential growth.
- **3E: determine sequence** Students determine the type of sequence with which they are working.
- **4A: linear functions** Students determine intercepts and growth rates of linear functions and evaluate the use of various forms of linear equations.
- **4B: exponential functions** Students determine intercepts, growth rates, and formulas of exponential functions.
- **4C: function vocabulary** Students know the definitions of terms relating to functions (such as discrete, continuous, increasing, decreasing, domain, and range) and use these terms correctly.
- **4D: average rate of change** Students determine the average rate of change of a function on an interval.
- **4E: modeling with functions** Students use appropriate functions to model scenarios.